

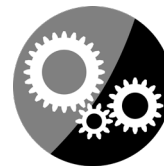


Case Study

digestec DAB-2 and DAB-3 | Simmchen Group (TU Dresden)

User

The Freigeist subgroup of physical chemistry at TU Dresden (Simmchen Group) researches on active colloids, that move autonomously performing a defined task. One of the main focuses is on photocatalytically active particles. To characterize the movement of comparable particles, homogeneous particle systems are required. Ideally, the particle systems are homogeneous directly from synthesis and do not have to be separated extensively.



SIMMCHEN GROUP

simmchenresearch.wordpress.com

Product

The Berghof pressure vessels **digestec DAB-2** and **DAB-3** are used.

Application

The autoclaves DAB-2 and DAB-3 are especially used for hydro- and solvothermal syntheses of various colloid materials. During the applications, there are pretty aggressive conditions, e.g. high temperatures in strong acid or strong alkaline media.

Voice of customer

„The Berghof autoclaves withstand all conditions. The Teflon inserts are easy to clean and resistant. The easy handling gives us a good feeling, even if syntheses are operated by less experienced students. Results are reproducible, cleaning is very easy and handling is safe.“

Sandra Heckel (Simmchen Group, TU Dresden)